



# UTILITY PROFILE AND WATER CONSERVATION PLAN

Updated:  
May 2019

**Utility Division  
Department of Public Works  
City of Temple, Texas  
Public Water Supply Number: 140005**

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## INTRODUCTION AND OBJECTIVES

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Water supply has always been a key issue in the development of Texas. In recent years, population growth and economic development in Region G have led to growing demands for water. Additional supplies to meet high demand will be expensive and difficult to develop; therefore, it is important that we make efficient use of existing supplies. Water conservation will delay the need for new supplies, minimize the environmental impacts associated with developing new supplies, and delay the high cost of additional water supply development.

Recognizing the need for efficient use of existing water supplies, the Texas Commission on Environmental Quality (TCEQ) developed guidelines and requirements governing the development of water conservation plans for public water suppliers.

The City of Temple ("The City") has adopted this Water Conservation Plan ("The Plan") pursuant to 30 Tex. Admin. Code § 288. The objectives of the water conservation plan are:

- To reduce the consumption of water,
- To reduce the loss and waste of water,
- To reduce summertime peak demand,
- To improve efficiency in the use of water,
- To increase recycling and/or reuse of water, and
- To extend the life of current water supplies.

The City's Water Conservation Plan is intended to provide strategies to reduce the consumption and loss of water, improve the efficiency of water use, increase the reuse of water, and extend the life of current water supplies. This Plan is intended to enable the City to meet or exceed its water conservation goals, including quantified five and ten-year GPCD targets.

## UTILITY PROFILE

The City's Utility Profile is an evaluation of the City's service area, current capabilities of the water and wastewater system, and the use characteristics of each system.

### 1. SERVICE AREA AND CUSTOMER DATA

#### A. Population and Service Area Data

In 2018, the City served 84,041 retail water customers. By 2030, the City's is projected to serve 108,258 retail water customers.<sup>1</sup> The City also provides water to four wholesale customers (City of Morgan's Point Resort, City of Troy, Little River-Academy, Arrowhead Hill), which will represent an additional 9,450 people served by the City by 2030. A copy of the City's service area map and Certificate of Convenience and Necessity (CCN) map is included in Appendix A.

Table 1. Population and Service Area Data

	RETAIL	WHOLESALE	TOTAL
Service Area Size (mi <sup>2</sup> )	110.10	12.90	123.00
Current Population			
Service Area	84,041	9,355	93,396
Water Service	84,041	9,355	93,396
Wastewater Service	78,793	0	78,793
Population Served for Previous Five years			
2014	73,248	8,861	82,109
2015	76,280	9,078	85,358
2016	78,242	9,295	87,537
2017	79,798	9,316	89,114
2018	84,041	9,355	93,396
Projected Service Area Population			
2020	87,654	9,400	97,054
2030	108,258	9,450	117,708
2040	116,291	9,475	125,766
2050	121,962	9,500	131,462
2060	124,909	9,550	134,459

Table 1: Historical data for the population served by retail connections is calculated using population estimates from the City's Comprehensive Annual Financial Report (CAFR) plus the number of customers accounts outside of the city limits multiplied by 2.47 people per connection. Calculations for the population served wholesale are provided by the

<sup>1</sup> Data provided by City of Temple, Utility Business Office.

City's wholesale customers themselves. Estimates for the future population are calculated using the assumption of 2% to 4% annual growth rate.

## B. Customer Data

### 1. Customer Connections

Table 2. Current Active Connections\* (as of January 1, 2019)

CUSTOMER TYPE	TOTAL
Residential	34,080
<i>Single-Family</i>	25,600
<i>Multi-Family</i>	8,480
Commercial	2,090
Institutional	781
Industrial	44
Agricultural	6
Other (Wholesale)	5
<b>TOTAL</b>	<b>37,006</b>

\* All connections are metered.

Table 3. Number of New Connections per Year (previous 3 years)

YEAR	2018	2017	2016
Residential	1,242	928	1,312
<i>Single-Family</i>	777	741	775
<i>Multi-Family</i>	465	187	537
Commercial	34	35	61
Industrial	1	11	1
Institutional	11	0	4
Agricultural	0	0	0
Other (Wholesale)	1	0	0
<b>TOTAL</b>	<b>1,289</b>	<b>974</b>	<b>1,378</b>

## 2. High Volume Customers

Table 4. Usage by High Volume Customers—top 5 in 2018

	CUSTOMER	ANNUAL USE (1,000 GALLONS/YEAR)	TREATED/RAW WATER
1	Scott & White	356,015	Treated
2	City of Morgan's Point Resort	167,799	Treated
3	Panda Temple Power, LLC	150,100	Treated
4	City of Troy	113,234	Treated
5	VA Hospital	106,007	Treated

## 3. Wholesale Customers

Table 5. Wholesale Water Customer Data for 2018 (in acre-feet)

WHOLESALE CUSTOMER	CONTRACTED AMOUNT	WATER DELIVERED
City of Morgan's Point Resort	1,935.61	514.96
City of Troy	967.80	347.50
Bell County WCID #2	322.60	131.23
Arrowhead Hill	29.03	10.75
<b>TOTAL</b>	<b>3,255.04</b>	<b>1,004.44</b>

## 2. WATER USE DATA FOR SERVICE AREA

### A. Water Accounting Data

Table 6. Monthly Diversions for All Water Uses (in acre-feet)

YEAR	2014	2015	2016	2017	2018
January	1,050	1,040	970	1,100	1,330
February	960	910	1,000	1,060	1,040
March	1,090	1,060	1,080	1,230	1,280
April	1,310	1,230	1,090	1,240	1,350
May	1,610	1,210	1,080	1,500	1,780
June	1,630	1,290	1,410	1,710	2,060
July	1,740	1,810	2,050	2,100	2,360
August	2,140	2,120	1,810	1,860	2,250
September	1,820	1,790	1,690	1,780	1,500
October	1,560	1,570	1,690	1,650	1,220
November	1,210	1,000	1,210	1,400	1,050
December	1,120	1,020	1,120	1,320	1,050
<b>TOTAL</b>	<b>17,240</b>	<b>16,050</b>	<b>16,200</b>	<b>17,950</b>	<b>18,270</b>

Table 6: Monthly water diversions are determined by a master meter located at the point of diversion on the Leon River. The meter is read and recorded each day.

Table 7. Water Sales for Previous 5 Years (in 1,000 gallons)

YEAR	2014	2015	2016	2017	2018
Residential	2,395,166	2,559,446	2,670,139	2,813,903	2,847,170
Single-Family	2,111,056	2,172,109	2,280,203	2,430,717	2,481,605
Multi-Family	284,110	387,337	389,936	383,186	365,565
Commercial	797,504	593,141	624,674	626,923	617,879
Industrial	433,489	383,674	243,468	266,142	343,321
Institutional	504,144	539,027	576,281	623,181	669,521
Agriculture	2,179	2,738	5,042	4,812	5,750
Other/Wholesale	185,626	228,861	246,374	286,513	327,297
<b>TOTAL</b>	<b>4,318,108</b>	<b>4,306,887</b>	<b>4,365,978</b>	<b>4,621,474</b>	<b>4,810,938</b>

Table 8. Water Loss for Previous 5 Years

YEAR	AMOUNT (GALLONS)	WATER LOSS / MAIN LINE MILE	PERCENT LOSS
2014	537,103,375	905,739	11.35 %
2015	461,258,613	767,690	9.96 %
2016	729,664,885	1,196,329	14.92 %
2017	1,045,125,588	1,688,410	19.18 %
2018	807,523,940	1,285,866	14.86 %

Table 8: The data above does not necessarily align with historical Water Loss Audits reported to the Texas Water Development Board. The numbers listed above are considered to be more accurate and were used to inform the GPCD and water loss goals in this Plan. Length of main lines in 2018: 628 miles.

Table 9. Wholesale Water Delivery (in acre-feet)

YEAR	TREATED WATER
2014	569.66
2015	672.63
2016	773.00
2017	879.26
2018	1,004.44
<b>TOTAL</b>	<b>3,898.99</b>

## B. Projected Water Demands

According to the latest Region G Water Plan (2016), the City's total water demand (retail and wholesale) is expected to increase from 22,601 acft/yr (2020) to 23,656 acft/yr (2030).<sup>2</sup> The existing contract with the Brazos River Authority is expected to reliably meet the increase in demand projected over the next decade –barring prolonged emergency drought conditions.

## 3. WATER SUPPLY SYSTEM DATA

### A. Water Supply Sources

The City maintains Run of the River water rights for 12,500 acft/yr from a reservoir on the Leon River, and the City purchases an additional 31,953 acft/yr from the Brazos River Authority from Lake Belton. Raw water diversions from the Leon River are metered, calculated, and recorded at a minimum of once a day as part of the treatment control process.

Table 10. Water Supply Sources

WATER TYPE	SOURCE	AMOUNT AUTHORIZED (ACRE-FEET/YEAR)	
Surface Water	Leon River	Brazos River Authority Contracts:	
		Run of the River	12,500
		Storage Agreement	20,000
		Option Contract	9,453
		System Rate	2,500
			<b>44,453</b>

### B. Treatment and Distribution System

#### Designed Daily Capacity of System:

The City's two water treatment plants have a total design daily capacity of 41.000 MGD.

#### Elevated Storage:

The City has 9.75 MG in elevated storage.

#### Ground Storage:

The City has 12.60 MG in ground storage.

#### Water System Description

The City has two (2) water treatment plants. One plant is a conventional treatment plant equipped with four (4) up-flow clarifiers and eight (8) gravity filters with a maximum treatment capacity of 29.4 million

<sup>2</sup> 2016 Brazos G Regional Water Plan, Volume I, Table 4.3-25.



gallons per day (MGD). The second treatment plant is a micro-filtration pall membrane treatment plant equipped with 11 racks of micro-filtration modules. Each rack is outfitted with 78 modules—ten (10) racks of Pall modules and one (1) rack of Scinor modules. The membrane plant has a maximum capacity of 11.6 MGD at 20 degrees Celsius.

The conventional treatment plant has two clearwells onsite that capture and store treated effluent water from both treatment plants. Treated water is stored in the clearwells (3.2 MG and 2.4 MG) until demand calls for water to be transferred into the distribution system's point of entry. In addition, there are eleven (11) water towers throughout the City totaling 9.75 MG of elevated storage.

Filter backwash water is recycled to the head of the plant and retreated. The treatment plant recycles on average .293 MGD or about 2.71% of the total treated production for the conventional water treatment plant. The membrane water treatment plant on average recycles .875 MGD or about 16.55% of the total treated production.

#### 4. WASTEWATER SYSTEM DATA

The City is served by two wastewater treatment plants: Doshier Farm Wastewater Treatment Plant and Temple-Belton Wastewater Treatment Plant.

##### A. Doshier Farm Wastewater Treatment Plant

##### 1. Wastewater System Data

Doshier Farm Wastewater Treatment Plant: TPDES Permit No. WQ0010470002

The Doshier Farm Wastewater Treatment Plant is owned by the City of Temple and operated by the Brazos River Authority. Treated wastewater is either used as Type I or Type II reuse, or it is discharged as effluent into an unnamed tributary which flows into Little Elm Creek.

##### Designed Daily Capacity of wastewater treatment plant:

Doshier Farms total design daily capacity of 7.5 MGD.

##### Treated effluent is used for:

- On-site irrigation
- Off-site irrigation (average 1.2 MG per month)
- Plant wash-down
- Chlorination/dechlorination
- Off-site Type II Power Plant Cooling

Approximate amount (per month): 55 MG

##### 2. Wastewater Data for Service Area

The Doshier Farm Wastewater Treatment Plant serves approximately 25% of the City's water system service area.

Table 11. Doshier Farm: Monthly Volume of Treated Wastewater (in 1,000 gallons)

YEAR	2014	2015	2016	2017	2018
January	Data Not Available	80,292	94,663	74,644	54,589
February		60,901	62,062	66,522	54,234
March		100,054	133,992	79,447	62,461
April		73,389	106,734	127,864	57,466
May		119,142	123,665	70,220	55,874
June		108,537	92,207	63,057	50,924
July		68,645	53,549	55,066	48,753
August		52,641	77,482	60,013	50,934
September		49,104	54,573	53,654	55,271
October	52,682	84,136	48,858	51,329	88,960
November	55,688	140,986	60,705	52,610	68,210
December	50,796	143,984	63,279	56,842	94,630
TOTAL		1,001,519	971,769	811,268	742,306

## **B. Temple-Belton Wastewater Treatment Plant**

### **1. Wastewater System Data**

Temple-Belton Wastewater Treatment Plant: TPDES Permit No. WQ0011318001

The Temple-Belton Wastewater Treatment Plant is co-owned by the City of Temple and the City of Belton, and it is operated by the Brazos River Authority. Treated wastewater is either used as Type I or Type II reuse, or it is discharged as effluent into Nolan Creek Segment No. 1218.

#### **Designed Daily Capacity of wastewater treatment plant:**

Temple-Belton total design daily capacity of 10.0 MGD.

#### **Treated effluent is used for:**

- On-site irrigation
- Plant wash-down
- Chlorination/dechlorination
- Off-site Type II Power Plant Cooling
- Sludge Compost Process (12,000 Gallons per month)

Approximate amount (in gallons per month): 76.8 MG

### **2. Wastewater Data for Service Area**

The Temple-Belton Wastewater Treatment Plant serves approximately 75% of the City's water system service area.

*Table 12. Temple-Belton: Monthly Volume of Treated Wastewater (in 1,000 gallons)*

YEAR	2014	2015	2016	2017	2018
January	146,995	171,234	174,575	165,488	142,294
February	132,134	135,830	145,899	147,573	129,694
March	148,261	196,481	253,147	175,227	152,853
April	138,458	154,804	207,788	242,161	144,616
May	164,604	235,138	231,562	158,027	148,300
June	148,102	200,364	204,903	146,160	138,739
July	149,717	154,201	144,641	142,518	140,850
August	137,486	138,025	189,285	150,288	143,531
September	134,384	130,709	146,540	137,566	147,148
October	140,843	187,468	141,827	140,882	222,659
November	142,260	275,817	150,606	135,674	164,899
December	137,456	240,163	149,391	143,766	201,797
<b>TOTAL</b>	<b>1,720,700</b>	<b>2,220,234</b>	<b>2,140,164</b>	<b>1,885,330</b>	<b>1,877,380</b>

# WATER CONSERVATION PLAN

## 1. WATER CONSERVATION GOALS

The purpose of this section is to identify water conservation opportunities, potential targets, and goals. The City established the following 5-year and 10-year water conservation goals to generate enough water savings to extend the life of the existing supply without burdening customers with higher costs.

The projected reductions are shown at five and ten-year increments, as required by 30 Tex. Admin. Code § 288. These targets and goals will be updated every five years, or whenever the Plan is revised. The goals are based on the recommendation of a 1% reduction each year in gallons per capita per day (GPCD). It should be noted that all the performance indicators outlined below are developed assuming a year of average rainfall.

Overall progress toward conservation goals for reducing consumption, loss, waste, and peak demand will be evaluated annually when the water conservation annual report is completed, per TCEQ requirements.

Table 13. Five & Ten-Year Water Conservation Goals

	HISTORIC 5-YEAR AVERAGE	BASELINE	GOALS		
			FY 2019	FY 2023	FY 2028
Total (GPCD)	176	177	175	168	160
Total Residential (GPCD)	93	93	92	88	84
Water Loss (GPCD)	25	26	26	24	21
Water Loss (%)	14.05%	14.86%	14.69%	14.00%	14.00%

Table 13: Total and Residential GPCD goals were determined by calculating an annual 1% reduction in GPCD from the baseline year, 2018. GPCD is calculated using following method:

$$Total\ GPCD = \frac{\left( \frac{Total\ Water\ Produced - Wholesale\ Water\ Sales}{Service\ Area\ Population} \right)}{365}$$

$$Residential\ GPCD = \frac{\left( \frac{Residential\ Water\ Sales}{Service\ Area\ Population} \right)}{365}$$

## 2. REQUIRED CONSERVATION MEASURES

### A. Record Management Program

The City uses an electronic billing system to monitor and maintain records of water deliveries and sales. The Utility Business Office (UBO), which is overseen by the Finance Department, maintains electronic records of customer connections, water sales, population data, and wholesale water sales/contracts. In addition, the City's water treatment plant maintains daily records of the amount of water diverted and treated.

## **B. Metering Devices**

The City maintains meters to ensure that accurate readings (accuracy within plus or minus 5%) are recorded. The City uses positive displacement meters that meet AWWA standards. The most common meter size in the City is 5/8" x 3/4".

## **C. Universal Metering**

The City requires meters for all connections and bills by volume of use. Residential, commercial, institutional, industrial, and agricultural use is metered by permanent meter installations that are maintained by City personnel. Construction use is metered via fire hydrant meters. In addition to metering of customer connections, the amount of raw water the City diverts from the Leon River is metered as an essential part of the City's treatment control process.

The City's Metering Division has an ongoing program for meter replacement and testing.

- Meter Change-Out Program – Meters that have been in service for ten years or longer are scheduled for replacement.
- Meter Accuracy Testing – Meters that are 3" or larger are tested on an annual basis. Meters that fail to meet AWWA standards are either repaired or replaced.

## **D. Unaccounted-For Water Use**

The City's Utility Division performs periodic visual inspections along distribution lines and maintains accurate records of water leaks and line repairs. The Utility Division's goal is to physically walk all water main lines 12" or larger at least once per year. Leaking water lines are repaired or replaced as quickly as possible. In situations where repair is not immediately possible, water loss is mitigated by reduction of pressure. On-call, after-hours crews respond to and repair emergency water leaks at all hours.

The City compares daily water diversion amounts with daily water treatment production to determine water loss prior to distribution. Water production amounts are compared to metered water sales to determine distribution water loss. The City also measures and collects data on water use for firefighting, construction, and main flushing. The City's Utility Division uses the data listed above to determine the amount of unaccounted-for water use. This information is reported in the Water Loss Audit, which is submitted to the Texas Water Development Board every year by May 1<sup>st</sup>.

## **E. Continuing Public Education & Information**

Various staff members within the Public Works Department and Utility Business Office provide education programs for schools, service groups, and non-profit local organizations. Water conservation education efforts include tours of Public Works facilities, educational information published on the City's website, presentations at area schools and businesses, and environmental education events.

In addition to year-round public education efforts, as the high-use season of summer approaches, these efforts are increased and expanded. Just prior to and during the summer months, press releases are issued regarding the City's Water Conservation Plan and Drought Contingency Plan.

The City's Department of Public Works produces written materials in the form of:

- Brochures
- Newsletter articles
- Media releases
- Public service announcements
- Social media blasts

Notices regarding water conservation are inserted in all customer bills, and items promoting conservation may be offered as "give-away" items at public events or speaking engagements.

#### **F. Non-Promotional Water Rate Structure**

The City's current rate structure offers uniform rates for service and was last revised October 2012. The rate structure is evaluated on an ongoing basis, and adjustments are made, as appropriate, in consideration of conservation needs.

*Table 14. City of Temple Water Rates  
(effective October 1, 2012 per Resolution No. 2012-6697-R)*

METER SIZE	RATE
¾ inch	\$10.00
1 inch	\$16.00
1 ½ inches	\$20.00
2 inches	\$64.00
3 inches	\$128.00
4 inches	\$200.00
6 inches	\$640.00
8 inches	\$1,120.00
10 inches	\$1,120.00
Volume Unit Charge (per 1,000 gallons)	
Straight Volumetric Rate (above 2,000 gallons)	\$3.20

#### **G. Reservoir Systems Operations Plan**

The City does not operate any reservoirs. The City's water supply source, the Leon River, is fed by the Belton Lake Reservoir, which is operated by the U.S. Army Corps of Engineers.

#### **H. Enforcement Procedures and Plan Adoption**

The authority to implement and enforce this plan is granted by the City Council in accordance with the City Charter, Section 3.7, *Exclusive Right to Own, Maintain, and Operate Water Utility*. The City Council officially adopted this Plan during a regular Council meeting on May 2, 2019. A copy of the resolution adopting this 2019 update to the City's Water Conservation Plan is provided in Appendix B.

**I. Coordination with the Regional Water Planning Group**

The City is located within the Brazos G Regional Water Planning Area. This Plan is consistent with the most recent Regional Water Plan (2016 Brazos G Regional Water Plan) and meets the standards for water conservation planning as outlined in 30 Tex. Admin. Code § 288. The City provided a copy of this Plan to the regional water planning group. A copy of the transmittal letter is included in Appendix C.

**J. Plan Review and Update**

The City's Utility Division reviews the Water Conservation Plan annually and updates the plan as necessary to reflect changes in the City's water conservation policy. The Utility Profile and Water Conservation Plan are reviewed and updated every five years in accordance with the requirements of TCEQ under 30 Tex. Admin. Code § 288. The next revision of the plan is expected no later than May 1, 2024.

**3. ADDITIONAL REQUIREMENTS FOR LARGE SUPPLIERS**

**A. Leak Detection and Repair**

Measures to control water loss are part of the routine operations of the City. Metering personnel and utility operations crews watch for and report signs of illegal connections. Utility crews look for evidence of leaks in the distribution system, and they respond quickly to repair leaks reported by the public and City staff. Areas of the water distribution system in which numerous leaks and line breaks occur are targeted for replacement as funds are available through Capital Improvement Project funds.

**B. Contract Requirements for Successive Customer Conservation**

In the event that a wholesale water contract is renewed, extended, or amended, it shall be a requirement that the wholesale customer develop and implement a water conservation plan.

- This requirement shall be made a part of the contract.
- If the wholesale customer intends to resell the water, a contract between the initial supplier and wholesale customer must provide that the contract for resale of the water have a water conservation requirement, so that each successive customer in the resale of the water will be required to implement conservation measures in accordance with 30 Tex. Admin. Code § 288.
- It shall also be a contract provision in every water wholesale contract entered into or renewed after the adoption of this Water Conservation Plan, that in case of water shortage, potable water must be distributed in accordance with Texas Water Code § 11.039.

**4. ADDITIONAL CONSERVATION STRATEGIES**

**A. Water Reuse**

The City achieves substantial water savings by providing direct reuse to one of the City's top water users, Panda Power. Since 2014, the City has provided nearly 5 billion gallons of reclaimed wastewater to Panda Power to use in their power plant cooling towers. In addition, the City uses reclaimed wastewater to supplement irrigation at Wilson Park and the City's tree farm on the east side of Temple. Over the last five years, 20% of all the water distributed through the utility system was reclaimed and reused.

Table 15. City of Temple Reuse – in gallons

YEAR	PANDA POWER REUSE		CITY OF TEMPLE REUSE	TOTAL ANNUAL REUSE*	
	DOSHIER FARM	TEMPLE-BELTON	DOSHIER FARM		
2014	247,098,000	--	17,997,000	265,095,000	6%
2015	676,072,000	758,336,000	30,851,000	1,465,259,000	32%
2016	538,628,000	513,496,000	14,219,000	1,066,343,000	22%
2017	406,054,000	455,960,000	13,301,000	875,315,000	16%
2018	395,346,000	921,050,000	20,698,000	1,337,094,000	25%
<b>TOTAL</b>	<b>2,263,198,000</b>	<b>2,648,842,000</b>	<b>97,066,000</b>	<b>5,009,106,000</b>	<b>20%</b>

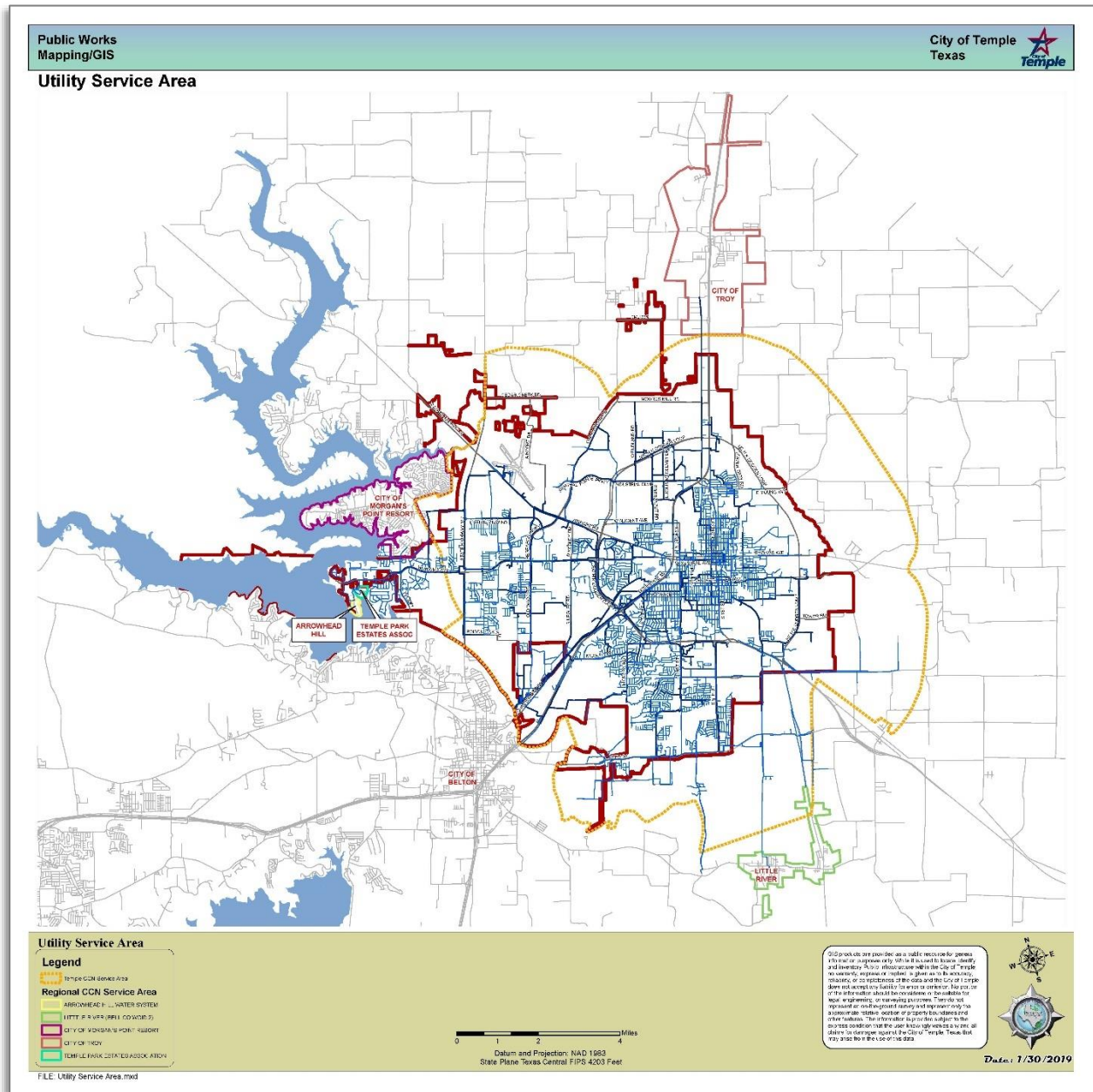
\* Reuse as a percent of total system input

#### B. Golf Course Conservation

The City's municipal golf course, Sammons Golf Course, uses no potable water for irrigation. Instead, each year the City uses between 40 and 50 million gallons of raw water from Lake Polk to water the course. In the future, the City may consider piping reuse to the golf course to supplement the raw water drawn from Lake Polk.



## Appendix A – Utility Service Area & CNN Map (As of January 30, 2019)



## Appendix B – Water Conservation Plan Resolution

### RESOLUTION NO. 2019-9650-R

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF TEMPLE, TEXAS, AUTHORIZING AN UPDATE TO THE CITY OF TEMPLE'S WATER CONSERVATION PLAN; AND PROVIDING AN OPEN MEETINGS CLAUSE.

**Whereas**, Title 30, Texas Administrative Code, Chapter 288 requires wholesale public water suppliers and retail public water suppliers serving 3,300 connections or more to adopt and submit water conservation plans to the Texas Commission on Environmental Quality;

**Whereas**, in March 2000, City Council adopted the City's initial Water Conservation and Drought Contingency Plan, last updated in 2014, which provides a mechanism for the conservation of available water supply, protection of the integrity of water supply facilities, and protection of the public health, safety, and welfare;

**Whereas**, the proposed update considers use and loss over the past five years and provides new goals for the next ten years, based on two five-year periods - the proposed goals are based on achieving and sustaining a total loss of 14.0% which are:

- Reduce consumption;
- Reduce loss and waste;
- Reduce summer peak demand;
- Improve efficiency in use;
- Increase recycling and reuse; and
- Extend the life of current water suppliers;

**Whereas**, the plan meets the requirements of the Texas Administrative Code and recommends measures that are achievable, practical, and sustainable; and

**Whereas**, the City Council has considered the matter and deems it in the public interest to authorize this action.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF TEMPLE, TEXAS, THAT:**

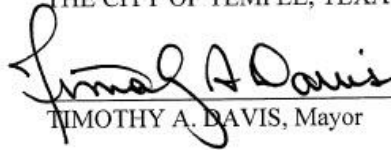
**Part 1: Findings.** All of the above premises are hereby found to be true and correct legislative and factual findings of the City Council of the City of Temple, Texas, and they are hereby approved and incorporated into the body of this Resolution as if copied in their entirety.

**Part 2:** The City Council adopts the City of Temple's Water Conservation Plan as attached hereto as Exhibit 'A,' and made a part hereof for all purposes.

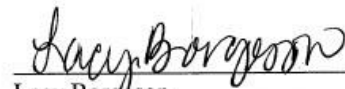
**Part 3:** It is hereby officially found and determined that the meeting at which this Resolution was passed was open to the public as required and that public notice of the time, place, and purpose of said meeting was given as required by the Open Meetings Act.

PASSED AND APPROVED this the 2<sup>nd</sup> day of May, 2019.

THE CITY OF TEMPLE, TEXAS

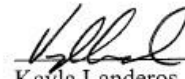
  
TIMOTHY A. DAVIS, Mayor

ATTEST:

  
Lacy Borgeson  
City Secretary



APPROVED AS TO FORM:

  
Kayla Landeros  
City Attorney

## Appendix C – Regional Water Planning Group Coordination

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May 21, 2019

Stephen Hamlin, Project Administrator  
Brazos River Authority  
Attn: Brazos G – Water Planning Group  
P.O. Box 7555  
Waco, TX 76714

Re: Updated Water Conservation Plan for the City of Temple

Dear Mr. Hamlin:

Enclosed you will find the City of Temple's updated Water Conservation Plan. The 2019 updates to the Water Conservation Plan were officially adopted by the Temple City Council on May 2, 2019. This plan is being forwarded to the Texas Commission on Environmental Quality.

If you have any questions regarding the enclosed plan, please contact me at 254-298-5027. If you would like a digital copy of this plan, please send me an e-mail request at [cleal@templetx.gov](mailto:cleal@templetx.gov).

Sincerely,

Christine E. Leal  
Water Conservation Coordinator  
City of Temple  
Department of Public Works

Enclosure: Water Conservation Plan

CC: Don Bond, City Engineer  
Carrie Weir, Deputy Utility Director

3210 E. Avenue H, Bldg. A, Suite 130 • Temple, Texas 76501 • (254) 298-5621